# Statement of Work

# Project # 648-344

The following statement of work describes the intent for the placement of a 5000 gallon, E-85 fueling station, to be located at the, Portland Veterans Affairs Medical Center at 3710 S.W. U.S. Hospital Road 97239.

The scope of the project will include, but is not limited the construction necessary for site preparation, foundation, exterior lighting, security camera(s), landscaping, communications, permits, Spill Prevention Counter Measure Plan, zoning processes (i.e., State Fire Marshall Application to Install Flammable/Combustible Liquid Above Ground Tanks - Attachment B, Completion of the Environmental Compliance Project Checklist - Attachment C, etc.), and commissioning in accordance with the plans, specifications and requirements outlined below.

System Requirements

- The fueling station tank shall be an above ground, skid mounted, "pre-packaged" fueling station, double-walled, 5,000 gallon capacity, and ballistic proof. The skid shall be anchored to a new concrete foundation. The concrete foundation design shall be prepared and stamped by a structural engineer licensed in state of Oregon. A Programmable Logic Control (PLC) panel will control the fuel system.

- The fuel tank, pumps, dispensers and related equipment shall be skid mounted and provided as a turn-key system. The design shall provide for an integrally constructed and fabricated, tested and certified system prior to delivery to the VA site. The tank shall contain a product decal specific to the site.

- Provide on-demand, monitoring and reporting of actual fuel consumption, vehicle ID, odometer reading, date of fueling and gallons dispensed. Date of fuel transport shall be included. Furnish and install cellular signal for recording and card reader for tracking purpose.

- Install Gate that can be operated by the GSA Credit Card for access.

- Will include a card reader/fuel management system capable of authorizing and recording both fuel and fuel transactions using the Wright Express (WEX) and General Services Administration (GSA) Smart fuel cards processing system. The controller shall be compatible with the GSA controller to assist in the reimbursement for the E85 fuel. The system shall be connected to one or more remote billing services by telephone modem for a high speed line, for the purpose of remotely authorizing, recording, and billing transactions by fuel networks (such as Voyager). And include setting up the remote billing accounts.

- The E85 Fueling Station shall include clearance warning signs, where appropriate.

- The E-85 Fueling Station shall have a covered fueling area for protection of the dispensing area from inclement weather.

Existing Site Conditions

- The proposed fueling station and dispensing area will be constructed On VA property  The location is shown on attached site plan drawings.
- The Contractor shall provide an E85 Fueling Station that aesthetically matches with the surrounding buildings and structures and includes landscaping that minimizes any negative visual impact.
- The contractor shall provide a concrete driveway with appropriate site preparation including curb and gutter as the entry and exit to the subject fueling station.  May also require removal trees, bushes, and existing driveway.
- The contractor shall include verification of existing conditions ensuring to ascertain the site conditions that may affect required equipment clearances, electrical, and mechanical requirements of the design, including the field locate of all utilities.
- The Fueling System shall comply with the Department of Veterans Affairs Master Specification Section 23 10 00 Facility Fuel System.

Physical Security

- Protective removable bollards (e.g., removable steel posts) and fixed bollards designed to protect the entire E85 Fueling Station from damage from vehicles.
- Lighting within the E85 Fueling Station area with motion detection activation and daylight controls to provide required light levels when fueling activities are being performed.
- Security cameras at the fueling. The cameras shall be connected to that VA Medical Center Police Station.  The cameras shall be located in weatherproof housing and able to cover all the E85 Fueling Station perimeters.  Cameras shall be compatible with and comparable to the existing VA site cameras and recording system.
- Emergency telephone with auto dial (speed dial) to that VA Medical Center Police Station.
- Spill Prevention and Counter Measures
- Emergency electric shut down disconnect box/ switches with audible and visual alarms.
- Shutdown fuel valve, able to automatically shut down the E85 Fuel pump.  Valve will be able to be activated remotely in case of emergency.

- Leak detection system/ spill monitoring sensors on fuel dispenser system, between the walls of double-walled fuel tank, and on the motorized fuel pump.

Piping

- All piping connection shall be suitable for use with E85 fuel.
- The design shall include a minimum of two extra conduit of same size, for each conduit required for project, including high, medium, and low voltage if applicable, for future requirements.

Spill Prevention Counter Measure (SPCM) Plan

The Contractor shall submit a complete Spill Prevention Counter Measure (SPCM) Plan before the final testing and acceptances by the VA. A professional engineer licensed in state of Oregon must sign the SPCM Plan.